

FC-2500 (Previously Available)

Provided by Xpert Survey Equipment
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No Longer Manufactured

Topcon's FC-2500 is fully loaded to unleash your productivity. Its rock-solid design takes drops, dirt, even drowning, without fear of data loss.

Features & Benefits:

- 624MHz XScale processor
- 5.17 megapixel camera and bar code reader
- 256Mb RAM, 2Gb ROM (4X the competition)
- Built-in wireless Bluetooth® and WiFi connectivity
- Windows CE.NET 5.0 operating system
- Add-on robotic radio design
- 55 key alphanumeric keyboard
- 8 way directional arrow and enter key
- Easy access USB flash drive
- Accessible, rechargeable and hot swappable batteries



FC-2500 Add-on Robotic Radio Design

The FC-2500 has an add-on connection on the back of the unit to control a spread spectrum radio for robotics communication. Use this connector and an RS-1 to have a cablefree radio connection to the Topcon robotic instruments. Additional packs may be possible in the future.

Alphanumeric Keyboard

Finally a 55 key alphanumeric keyboard unit that can control the Robotic systems. We know that land surveyors in the US market prefer an alphanumeric keyboard data collector. This FC-2500 can handle the robotic radio as an expansion slot radio.

USB Flash Drive

Use the USB mini port as both a Host and Client. This On-The-Go (OTG) functionality allows for expanded memory and easy file transfer through USB flash drives or ActiveSync connection. This design also provides rugged protection. The FC-2500 can not be compromised by opening a card door or flap. The entire unit is sealed and submersible.

Removable, hot swappable battery packs

With two NiMH batteries loaded standard with 2500mAh each, battery performance can be as high as 50 hours. But with all the functionality of this device turned on and on full power drain, you can still count on 12-14 hours. The typical power drain from a Bluetooth connection to a GPS receiver will run for 24 hours. Don't ever worry about overcharging, the FC-2500 has internal temperature monitors to prevent any unexpected high temperature issues.

Waterproof and rugged

The FC-2500 is rated at IP-67, which means it can be accidentally submersed in water. The unit also has a 3 foot drop proof rating.

5.17 MP Camera

Capture Reality in yet an additional device from Topcon. Topcon understands that a picture is worth more than a thousand words. This highly advanced camera can be used to associate photos with stored TopSurv points as Photo Notes. For every topo shot, as photo note can be stored.

Topcon FC-2500 Field Controller Specifications	
Processing Power	
Microprocessor	XScale PXA 270
Processor Speed	624 MHz
Operating System	Windows CE.NET 5.0
Memory	256MB SDRAM and 2GB System Flash

Human Interface	
Display resolution	320 x 240 QVGA
Display Type	3.52 inch Touch Panel Amorphous Silicon Active Matrix AD-TFT Color LCD with LED Backlight
Keyboard	55 Keys (Power Key Included)
Audio	Integrated Speaker and Microphone
LEDs	6 LED indicators: Battery Power, Bluetooth® active, WiFi active, Function active, Shift active, Caps-lock active
Connection Ports	
RS-232-/422	RS-232C (D-Sub 9-Pin)
USB Port	Mini USB 2.0 A/B with OTG Host and Client
External Power	12-18 VDC (36 Watts)
Wireless Communications	
Radio	Radio Adapter Included
External Radio	(option) RS-1 2.4GHz Spread Spectrum radio
Bluetooth®	Bluetooth® 1.2 Class II
Wi-Fi	802.11 b/g
Environmental	
Ingress Protection	IP-67
Operating Temperature	-4°F to 122°F (-20°C to 50°C)
Storage Temperature	-4°F to 158°F (-20°C to 60°C)
Shock Rating	4ft all faces, per MIL-STD 810F Method 516.5IV
Power	
Operating Time	42 hours, configuration dependent
Charging Time	Approximately 3 hours
Battery	Dual Hot-swappable, Li-ion Rechargeable, Smart battery System
Camera	
Digital Camera	5.17 mega pixel (4MP Processed)
CMOS	Auto-focus, Shutter, Aperture and Illumination
Resolution	QSXGA: 2048 x 1944, SXGA: 1280 x 960, VGA: 640 x 480, HF: 320 x 200
Physical	
Dimensions	10.85in x 5.34in x 2.19in
Screen	2.89 in. x 2.19 in.
Weight	2.3 lbs. with dual batteries 2.4 lbs. with dual batteries and RS-1
Restriction of Hazardous Substances (RoHS)	Yes
Regulatory	FCC Part 15 • CE • IC • RoHS Compliant • WEEE • C-tick • EU Battery Directive